Ammonium Bifluoride

CHEMPRO™

GENERATOR'S WASTE MATERIAL PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

CP# 49170

CHEMPRO SALES REP.:

A. GENERATOR INFORMATION

1. Generator Name: ACW
2. Generator, USEPA ID#
3. Facility Address:
   City: State: Zip Code:
4. Generator Contact 5. Title: 6. Phone: ( ) –
7. Consultant (if any): 8. Company: 9. Phone: ( ) –

B. MAIL CHEMPRO INVOICES TO:

1. ☐ Generating Facility at above address, or:
2. Company Name: 3. Phone: ( ) –
4. Address:
   City: State: Zip Code:
5. Attention:

C. WASTE INFORMATION

1. Name Of Waste: CRYSTALLINE, CORROSIVE, SOLID w/ CHROMIUM
2. Process Generating Waste (be specific):
3. Generator has provided the following: ☒ Sample ☒ MSDS ☒ Waste Analysis

D. PHYSICAL CHARACTERISTICS OF WASTE

1. **Color:** DARK GREEN

2. **Physical State @ 70°F:** ☒ Solid ☐ Semi- ☐ Liquid ☐ Powd Other:

ATTACH
- MSDS
- FBI RESULTS

Specific Gravity: ☐ <0.8 ☐ 1.1-1.2 ☐ 0.8-1.0 ☐ 1.3-1.4 Exact/Other:

5. **Free Liquids:** ☐ No ☒ Yes % 5

6. **pH:** ☐ NA ☐ < 2 ☐ 2-4 ☒ 4-6 ☐ > 12.5 ☐ Range:

7. **Liquid Flash Point:** ☐ < 70°F ☐ 70-99°F ☐ 100- ☒ None ☐ Closed Cup ☐ Open Cup

E. TOTAL COMPOSITION OF WASTE

1. List all hazardous and non-hazardous constituents of waste.

	RANGE MIN. - MAX.
AMMONIUM BIFLUORIDE	70 - 80 %
NITRIC ACID	10 - 20 %
	- %
	- %
	- %
	- %
	- %
	- %
	- %
	- %
	- %

PLEASE NOTE: The TOTAL in the chemical composition must be greater than or equal to 100%.

TOTAL 100 %

2. Indicate if this waste contains any of the following:

	Not Tested	or Concentration
PCB	☒	ppm
Cyanides	☒	ppm
Phenolics	☒	ppm
Sulfides	☒	ppm

F. METALS: Indicate if this waste contains any of the following metals, and which test method was used to determine:

☐ TCLP ☐ EP TOX ☒ TOTAL ☐ Not Tested

METAL	WASTE No.	LESS THAN	ACTUAL
Arsenic (As)	D004	☐ < 5 ppm	ppm.
Barium (Ba)	D005	☐ < 100 ppm	ppm.
Cadmium (Cd)	D006	☐ < 1 ppm	ppm.
Chromium (Cr)	D007	☐ < 5 ppm	3400 ppm.
Lead (Pb)	D008	☐ < 5 ppm	ppm.
Mercury (Hg)	D009	☐ < 0.2 ppm	ppm.
Selenium (Se)	D010	☐ < 1 ppm	ppm.
Silver (Ag)	D011	☐ < 5 ppm	ppm.
Nickel (Ni)		☐ < 134 ppm	660 ppm.
Thallium (Ti)		☐ < 120 ppm	ppm.
Zinc (Zn)			18 ppm.
Copper (Cu)			120 ppm.
			ppm.
			ppm.
			ppm.

TURN PAGE AND COMPLETE OTHER SIDE

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1. Name Of Waste: CRYSTALLINE, CORROSIVE, SOLID w/ CHROMIUM
2. Process Generating Waste (be specific):
3. Generator has provided the following: ☒ Sample ☒ MSDS ☒ Waste Analysis

D. PHYSICAL CHARACTERISTICS OF WASTE

1. Color:	2. Physical State @ 70°F:	3. Layers:	4. Specific Gravity:	5. Free Liquids:
DARK GREEN	☒ Solid ☐ Semi-Solid ☐ Liquid ☐ Powder Other:	☐ Multi-layered ☐ Bi-Layered ☒ Single Phased	☐ <0.8 ☐ 1.1-1.2 ☐ 0.8-1.0 ☐ 1.3-1.4 Exact/Other:	☐ No ☒ Yes % 5

6. pH: ☐ NA ☐ < 2 ☐ 2-4 ☒ 4-6 ☐ 6-8 ☐ 8-10 ☐ 10-12.5 ☐ > 12.5 ☐ Range:

7. Liquid Flash Point: ☐ < 70°F ☐ 70-99°F ☐ 100-139°F ☐ 140-199°F ☐ > 200°F ☒ None ☐ Closed Cup ☐ Open Cup

E. TOTAL COMPOSITION OF WASTE

1. List all hazardous and non-hazardous constituents of waste.

	RANGE MIN. - MAX.
AMMONIUM BIFLUORIDE	70 - 80 %
NITRIC ACID	10 - 20 %
	- %
	- %
	- %
	- %
	- %
	- %
	- %
	- %
	- %
	- %

PLEASE NOTE: The TOTAL in the chemical composition must be greater than or equal to 100%. TOTAL 100 %

2. Indicate if this waste contains any of the following:

	Not Tested	or Concentration
PCB	☒	ppm
Cyanides	☒	ppm
Phenolics	☒	ppm
Sulfides	☒	ppm

F. METALS: Indicate if this waste contains any of the following metals, and which test method was used to determine:

☐ TCLP ☐ EP TOX ☒ TOTAL ☐ Not Tested

METAL	WASTE No.	LESS THAN	ACTUAL
Arsenic (As)	D004	☐ < 5 ppm	ppm.
Barium (Ba)	D005	☐ < 100 ppm	ppm.
Cadmium (Cd)	D006	☐ < 1 ppm	ppm.
Chromium (Cr)	D007	☐ < 5 ppm	3400 ppm.
Lead (Pb)	D008	☐ < 5 ppm	ppm.
Mercury (Hg)	D009	☐ < 0.2 ppm	ppm.
Selenium (Se)	D010	☐ < 1 ppm	ppm.
Silver (Ag)	D011	☐ < 5 ppm	ppm.
Nickel (Ni)		☐ < 134 ppm	660 ppm.
Thallium (Ti)		☐ < 120 ppm	ppm.
Zinc (Zn)			18 ppm.
Copper (Cu)			120 ppm.
			ppm.
			ppm.
			ppm.

TURN PAGE AND COMPLETE OTHER SIDE

GENERATOR'S WASTE MATERIAL PROFILE SHEET (Continued)

G. OTHER CHARACTERISTICS OF THE WASTE

1. This waste is: (see instructions) ☐ Wastewater ☒ Nonwastewater
2. This waste is: (see instructions) ☐ Organic ☒ Organo-Metallic ☐ Inorganic
3. Is this waste any of the following: ☐ Ignitable Solid ☐ Water Reactive ☐ Reactive (other) ☐ Oxidizer ☐ Shock Sensitive ☒ None Apply

H. USEPA/STATE WASTE IDENTIFICATION

1. Hazardous/Dangerous Waste? ☒ Yes ☐ No
2. Dept. of Ecology Designation ☐ DW ☒ EHW
3. PCB Regulated By TSCA? ☐ Yes ☒ No
4. List ALL Applicable Waste Numbers: D002 D007

STATE# - W101

I. SHIPPING INFORMATION

1. Is this a DOT Hazardous Material? ☒ Yes ☐ No
2. Reportable Quantity (RQ): 1000 GAL
3. Method of Shipment: ☐ Bulk Liquid ☒ Bulk Solid ☐ Container (Type/Size): 55 PLASTIC DRUMS
4. Number of Units to Ship Now: 4
5. One Time - OR - Anticipated Volume/Units per Year: [redacted] 1500 gal.

US DOT DESCRIPTION:

6. PROPER SHIPPING NAME: WASTE CORROSIVE SOLID, (CHROMIUM, NICKEL) (If generic "n.o.s.", indicate two predominant constituents in paranthesis)
7. HAZARD CLASS: [redacted] CORR. SOLID
8. DOT ID NUMBER: UN1759
9. ADDITIONAL DESCRIPTION

J. SPECIAL HANDLING INFORMATION: SOLC. 3A3.85

K. GENERATOR CERTIFICATION:

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste material, and all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

1. SIGNATURE
2. TITLE
3. NAME (type or print)
4. DATE

FOR CHEMPRO USE ONLY

ADDITIONAL TESTING REQUIREMENTS

Analyze sample on the following basis: ☐ Total ☐ TCLP ☐ EP TOX

METALS:
☐ Arsenic (As) ☐ Barium (Ba) ☐ Cadmium (Cd) ☐ Chromium (Cr) ☐ Lead (Pb) ☐ Mercury (Hg) ☐ Selenium (Se) ☐ Silver (Ag) ☐ Nickel (Ni) ☐ Thallium (Tl) ☐ Zinc (Zn) ☐ Copper (Cu)

DISCHARGE METALS: _____ (Cd, Cr, Cu, Pb, Ni, Zn)
TC METALS (D004-11): _____ (As, Ba, Cd, Cr, Pb, Hg, Se, Ag)
F006 TCLP METALS: _____ (Cd, Cr, Pb, Ni, Ag)
PROFILE METALS: _____ (As, Ba, Cd, Cr, Hg, Pb, Se, Ag, Cu, Ni, Zn, Tl)
OTHER (list separately): _____

MISCELLANEOUS TESTING

PCB _____ TCT _____ TPH _____ BETX _____ CHLOR-D-TECT _____ DOHRMANN _____

CYANIDE _____ ppm PHENOLICS _____ ppm OTHER _____

GC/MS TESTING ANALYSES Total _____ - OR - TCLP/ZHE _____

TC Organics (D012-D043) ☐ All - OR - Individual (list D-codes): _____

F-LISTED SOLVENTS _____ OR _____

CHLORINATED SOLVENTS _____

BILL: _____ CREDIT: _____ CHECK: _____ PO#: _____

CHEMPRO AUTHORIZATION: _____

COMMENTS: _____